856 Ship Notice/Manifest

Functional Group=SH

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information.The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Notes:

3/010   Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Comments:

2/010L   The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
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Federal Note:

1. Organizations use this transaction set to provide shipment availability, specification and content information to designated Country Representatives/ Freight Forwarders (CR/FF).

2. Use a single occurrence of this transaction set to transmit single or multiple NOAs to one designated CR/FF.

3. DoD logistics users should refer to the Defense Logistics Management System (DLMS) Supplement to the Federal Implementation Convention (IC) available at URL: http://www.dla.mil/j-6/dlmso. The DLMS Supplement provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.

DLMS Note:

1. DoD distinguishes among Foreign Military Sales (FMS) Notices of Availability (NOA) requiring export release authorization, those not requiring export release authorization and those for which release will be delayed.

2. Identify the overall shipment attributes and detailed line item content of each shipment.

3. Users operating under the Defense Logistics Management system (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table and the Accounting Classification Appendix which can be found on the Defense Logistics Management Standards Office (DLMSO) web site at http://www.dla.mil/j-6/dlmso.

4. This DLMS Supplement contains:

a. Data associated with a DLMS enhancement which may not be received or understood by the recipient's automated processing system. DLMS procedures may not have been developed. Components must coordinate requirements and business rules with DLMSO prior to use.

b. Data associated with an Approved Change which may not have an established implementation date. This data may not be received or understood by the recipient's automated processing system. Components must coordinate implementation with DLMSO prior to use.

c. Defense Logistics Standard System (DLSS) data which must be retained in the DLMS for a transition period to support transaction conversion in a mixed DLSS/DLMS environment. This data will be streamlined out once full DLMS implementation is reached. Components may coordinate with DLMSO for early termination (or retention) of specific data requirements for users operating in a full DLMS environment.

d. Data elements which have an expanded files size above existing DLSS capability which may not be supported by the recipient's automated processing system. Components must coordinate implementation with DLMSO prior to use.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BSN	Beginning Segment for Ship Notice	M	1			Must use
* 040	DTM	Date/Time Reference	O	10			Not used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					**200000**	**C2/010L**	
010	HL	Hierarchical Level	M	1		C2/010	Must use
020	LIN	Item Identification	O	1			Used
030	SN1	Item Detail (Shipment)	O	1			Used

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
* 040	SLN	Subline Item Detail	O	1000			
* 050	PRF	Purchase Order Reference	O	1			
* 060	PO4	Item Physical Details	O	1			
* 070	PID	Product/Item Description	O	200			
080	MEA	Measurements	O	40			Used
* 090	PWK	Paperwork	O	25			
* 100	PKG	Marking, Packaging, Loading	O	25			
110	TD1	Carrier Details (Quantity and Weight)	O	20			Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
* 130	TD3	Carrier Details (Equipment)	O	12			
* 140	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5			
* 145	TSD	Trailer Shipment Details	O	1			
150	REF	Reference Identification	O	>1			Used
* 151	PER	Administrative Communications Contact	O	3			
*** LOOP ID - LH1**					**100**		
* 152	LH1	Hazardous Identification Information	O	1			
153	LH2	Hazardous Classification Information	O	4			Used
154	LH3	Hazardous Material Shipping Name	O	12			Used
155	LFH	Freeform Hazardous Material Information	O	20			Used
156	LEP	EPA Required Data	O	>1			Used
157	LH4	Canadian Dangerous Requirements	O	1			Used
158	LHT	Transborder Hazardous Requirements	O	3			Used
159	LHR	Hazardous Material Identifying Reference Numbers	O	10			Used
160	PER	Administrative Communications Contact	O	5			Used
161	LHE	Empty Equipment Hazardous Material Information	O	1			Used
*** LOOP ID - CLD**					**200**		
* 170	CLD	Load Detail	O	1			
180	REF	Reference Identification	O	200			Used
185	DTP	Date or Time or Period	O	1			Used
* 190	MAN	Marks and Numbers	O	>1			
200	DTM	Date/Time Reference	O	10			Used
* 210	FOB	F.O.B. Related Instructions	O	1			
* 215	PAL	Pallet Information	O	1			
LOOP ID - N1					**200**		
220	N1	Name	O	1			Used
* 230	N2	Additional Name Information	O	2			
* 240	N3	Address Information	O	2			
* 250	N4	Geographic Location	O	1			
* 260	REF	Reference Identification	O	12			
* 270	PER	Administrative Communications Contact	O	3			
* 280	FOB	F.O.B. Related Instructions	O	1			
* 290	SDQ	Destination Quantity	O	50			
* 300	ETD	Excess Transportation Detail	O	1			
* 310	CUR	Currency	O	1			
*** LOOP ID - SAC**					**>1**		
* 320	SAC	Service, Promotion, Allowance, or Charge Information	O	1			
325	CUR	Currency	O	1			Used
* 330	GF	Furnished Goods and Services	O	1			
* 335	YNQ	Yes/No Question	O	10			
LOOP ID - LM					**10**		
340	LM	Code Source Information	O	1			Must use
350	LQ	Industry Code	M	100			Must use
*** LOOP ID - V1**					**>1**		
* 360	V1	Vessel Identification	O	1			

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
370	R4	Port or Terminal	O	>1			Used
380	DTM	Date/Time Reference	O	>1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
* 010	CTT	Transaction Totals	O	1		N3/010	Not used
020	SE	Transaction Set Trailer	M	1			Must use

ST   Transaction Set Header

Pos: 010	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

To indicate the start of a transaction set and to assign a control number

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ST01	143	**Transaction Set Identifier Code** **Description:** Code uniquely identifying a Transaction Set **Code Name** 856 Ship Notice/Manifest	M	ID	3/3	Must use	1
ST02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set **Federal Note:** *A unique number assigned by the originator of the transaction set, or the originator's application program.*	M	AN	4/9	Must use	1

BSN   Beginning Segment for Ship Notice

Pos: 020	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 6**

User Option (Usage): Must use

To transmit identifying numbers, dates, and other basic data relating to the transaction set

Syntax:
1. C0706 - If BSN07 is present, then all of BSN06 are required

Semantics:
1. BSN03 is the date the shipment transaction set is created.
2. BSN04 is the time the shipment transaction set is created.
3. BSN06 is limited to shipment related codes.

Comments:
1. BSN06 and BSN07 differentiate the functionality of use for the transaction set.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
BSN01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use	1
		Description: Code identifying purpose of transaction set					
		Code Name					
		00 Original					
		77 Simulation Exercise					
		DLMS Note: *Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.*					
BSN02	396	**Shipment Identification**	M	AN	2/30	Must use	1
		Description: A unique control number assigned by the original shipper to identify a specific shipment					
		Federal Note: *Use Code "ZZ" for this data element to satisfy mandatory X12 syntax requirements.*					
BSN03	373	**Date**	M	DT	8/8	Must use	1
		Description: Date expressed as CCYYMMDD					
		Federal Note: *This date corresponds to the Universal Time Coordinate (UTC).*					
BSN04	337	**Time**	M	TM	4/8	Must use	1
		Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)					
		Federal Note: *1. Express the originating activity's time in UTC.* *2. Express time in a four-position (HHMM) format.*					
BSN06	640	**Transaction Type Code**	X	ID	2/2	Must use	1
		Description: Code specifying the type of transaction					
		Code Name					
		AD Notice of Availability					
BSN07	641	**Status Reason Code**	O	ID	3/3	Must use	1
		Description: Code indicating the status reason					
		Federal Note: *Use to identify the type of NOA.*					
		Code Name					
		D50 Delayed					
		DLMS Note:					

Code	Name
	Use to indicate that all referenced shipments are delayed.
ENR	Export Release Not Required
	DLMS Note:
	Use to indicate that export release is not required for all referenced shipments.
ERR	Export Release Required
	DLMS Note:
	Use to indicate that export release is required for all referenced shipments.

HL	Hierarchical Level	Pos: 010	Max: 1
		Detail - Mandatory	
		Loop: HL	Elements: 3

User Option (Usage): Must use

To identify dependencies among and the content of hierarchically related groups of data segments

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Federal Note:

1. The transaction set hierarchical data structure is address information, followed by overall shipment attributes, followed by shipment line item detail.

2. Use the first 2/HL/010 loop iteration to provide transaction set address information.

3. Use a single or multiple 2/HL/010 line item loop iterations to identify the line item detail associated with each shipment.

DLMS Note:

Use a single or multiple 2/HL/010 shipment loop iterations to identify the attributes associated with a single FMS notice number assigned to control the shipment.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use	1
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure					
		Federal Note: *In the first 2/HL/010 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.*					
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used	1
		Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to					
		Federal Note: *1. Use for each 2/HL/010 line item loop iteration to identify the shipment loop associated with each line item.*					
		2. Data element content is the sequential number assigned to the 2/HL/010 shipment loop iteration and serves as the cross-reference between the shipment and all line items contained in the shipment.					
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use	1
		Description: Code defining the characteristic of a level in a hierarchical structure					

Code	Name
I	Item
	DLMS Note: *Use to identify the individual line item loops.*
S	Shipment
	DLMS Note: *Use to identify the individual shipment loops.*
V	Address Information
	DLMS Note: *Use to identify the transaction set address loop.*

Code **Name**

LIN   Item Identification

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Pos: 020   Max: 1
Detail - Optional
Loop: HL   Elements: 4

</div>

User Option (Usage): Used

To specify basic item identification data

Syntax:

1. P0405 - If either LIN04,LIN05 is present, then all are required
2. P0607 - If either LIN06,LIN07 is present, then all are required
3. P0809 - If either LIN08,LIN09 is present, then all are required
4. P1011 - If either LIN10,LIN11 is present, then all are required
5. P1213 - If either LIN12,LIN13 is present, then all are required
6. P1415 - If either LIN14,LIN15 is present, then all are required
7. P1617 - If either LIN16,LIN17 is present, then all are required
8. P1819 - If either LIN18,LIN19 is present, then all are required
9. P2021 - If either LIN20,LIN21 is present, then all are required
10. P2223 - If either LIN22,LIN23 is present, then all are required
11. P2425 - If either LIN24,LIN25 is present, then all are required
12. P2627 - If either LIN26,LIN27 is present, then all are required
13. P2829 - If either LIN28,LIN29 is present, then all are required
14. P3031 - If either LIN30,LIN31 is present, then all are required

Semantics:

1. LIN01 is the line item identification

Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Federal Note:
Must use only in 2/HL/010 line item loops to identify the material included in the shipment.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use	1

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Federal Note: *Following is a list of preferred codes.*

DLMS Note: *1. Use only one of codes A1, A2, A4, FB, FS, FT, MG, or YP to identify the material shipped. Must use National Stock Number (NSN) when known.*

2. For DLMS use, only the following codes are authorized.

Code	Name
A1	Plant Equipment Number

    DLMS Note:
    Use to identify plant equipment.

A2	Department of Defense Identification Code (DoDIC)

    DLMS Note:
    Use to identify ammunition items.

A4	Subsistence Identification Number

    DLMS Note:
    Use to identify subsistence items.

F4	Series Identifier

    DLMS Note:
    Use to identify the manufacturer's series number of the end item.

FB	Form Number

    DLMS Note:
    Use to identify the form stock number.

FS	National Stock Number

    DLMS Note:

		Code **Name**					
		Must use NSN when known.					
	FT	Federal Supply Classification					
		DLMS Note:					
		Use to identify nonstandard material when a part number is not available and material requisitioned was identified by description (e.g., non-NSN lumber products).					
	MG	Manufacturer's Part Number					
		DLMS Note:					
		Use to identify nonstandard material.					
	MN	Model Number					
		DLMS Note:					
		Use to identify the manufacturer's model number of the end item.					
	SN	Serial Number					
		DLMS Note:					
		Use to identify the manufacturer's serial number of the end item.					
	YP	Publication Number					
		DLMS Note:					
		Use to identify the publication stock number.					
LIN03	234	**Product/Service ID** **Description:** Identifying number for a product or service	M	AN	1/48	Must use	1
LIN04	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used	1
		Code **Name**					
	CN	Commodity Name					
		DLMS Note:					
		Use with LIN02 code FT to identify the material name or description.					
	ZB	Commercial and Government Entity (CAGE) Code					
		DLMS Note:					
		Use with LIN02 code MG to uniquely identify a manufacturer's part number.					
LIN05	234	**Product/Service ID** **Description:** Identifying number for a product or service	X	AN	1/48	Used	1

SN1 Item Detail (Shipment)

Pos: 030	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

To specify line-item detail relative to shipment

Syntax:
1. P0506 - If either SN105,SN106 is present, then all are required

Semantics:
1. SN101 is the ship notice line-item identification.

Comments:
1. SN103 defines the unit of measurement for both SN102 and SN104.

Federal Note:
Must use only in 2/HL/010 line item loops to identify the number of units associated with each transaction.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
SN102	382	**Number of Units Shipped** **Description:** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set **Federal Note:** *1. Use to identify the quantity associated with the individual transaction.* *2. Express as a whole number with no decimals.*	M	R	1/10	Must use	1
SN103	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **Federal Note:** *Use to identify the unit of issue for the material.* **DLMS Note:** *DLMS users see the Unit of Issue and Purchase Unit Conversion Table.* **All valid standard codes are used.**	M	ID	2/2	Must use	1

MEA Measurements

Pos: 080	**Max: 40**
Detail - Optional	
Loop: HL	**Elements: 3**

User Option (Usage): Used

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

Syntax:
1. R03050608 - At least one of MEA03,MEA05,MEA06,MEA08 is required
2. C0504 - If MEA05 is present, then all of MEA04 are required
3. C0604 - If MEA06 is present, then all of MEA04 are required
4. L07030506 - If MEA07 is present, then at least one of MEA03,MEA05,MEA06 is required
5. E0803 - Only one of MEA08,MEA03 may be presented

Semantics:
1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments:
1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Federal Note:
Use only in 2/HL/010 shipment loops. Use two repetitions to identify shipment, weight and cube.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
MEA02	738	**Measurement Qualifier**	O	ID	1/3	Used	1
		Description: Code identifying a specific product or process characteristic to which a measurement applies					
		Code **Name**					
		A Consolidated Weight					
		DLMS Note: *Use with code LB in MEA04-01, to identify the shipment weight in pounds.*					
		UCB Cube					
		DLMS Note: *Use with code CF in MEA04-01 to identify the shipment cubic size (volume) expressed as cubic feet.*					
MEA03	739	**Measurement Value**	X	R	1/20	Must use	1
		Description: The value of the measurement					
		Federal Note: *Use to identify the actual number of pounds, pieces, or cubic feet, associated with the shipment based on the coding in MEA02 and MEA04-01.*					
MEA04	C001	**Composite Unit of Measure**	X	Comp		Must use	1
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)					
	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use	1
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		Code **Name**					
		CF Cubic Feet					
		DLMS Note: *Use with code UCB in MEA02 to indicate that the shipment cube is expressed as cubic feet.*					
		LB Pound					
		DLMS Note: *Use with code A in MEA02 to indicate that the shipment weight is expressed as pounds.*					

TD1 Carrier Details (Quantity and Weight)

Pos: 110	**Max: 20**
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Used

To specify the transportation details relative to commodity, weight, and quantity

Syntax:

1. C0102 - If TD101 is present, then all of TD102 are required
2. C0304 - If TD103 is present, then all of TD104 are required
3. C0607 - If TD106 is present, then all of TD107 are required
4. P0708 - If either TD107,TD108 is present, then all are required
5. P0910 - If either TD109,TD110 is present, then all are required

Federal Note:
Use only in 2/HL/010 shipment loops.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
TD101	103	**Packaging Code**	O	AN	3/5	Used	1
		Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required					
		Federal Note: *Use to identify the shipment unit type pack.*					
		DLMS Note: *DLMS users see the Type of Pack Conversion Table for available codes.*					
		All valid standard codes are used.					
TD102	80	**Lading Quantity**	X	N0	1/7	Must use	1
		Description: Number of units (pieces) of the lading commodity					
		Federal Note: *Use to identify the number of physical units (pieces) in the shipment.*					

TD5   Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail - Optional	
Loop: HL	Elements: 1

User Option (Usage): Used

To specify the carrier and sequence of routing and provide transit time information

Syntax:
1. R0204050612 - At least one of TD502,TD504,TD505,TD506,TD512 is required
2. C0203 - If TD502 is present, then all of TD503 are required
3. C0708 - If TD507 is present, then all of TD508 are required
4. C1011 - If TD510 is present, then all of TD511 are required
5. C1312 - If TD513 is present, then all of TD512 are required
6. C1413 - If TD514 is present, then all of TD513 are required
7. C1512 - If TD515 is present, then all of TD512 are required

Semantics:
1. TD515 is the country where the service is to be performed.

Comments:
1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Federal Note:
Use only in 2/HL/010 shipment loops to identify the intended mode of shipment between the shipping activity and designated consignee.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
TD504	91	**Transportation Method/Type Code**	X	ID	1/2	Must use	1
		Description: Code specifying the method or type of transportation for the shipment					
		Federal Note: *Use to identify the mode of shipment code.*					
		DLMS Note: *DLMS users see the Transportation Mode of Shipment Conversion Table for available codes.*					

REF   Reference Identification

<table>
<tr><td>Pos: 150</td><td>Max: >1</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Used

To specify identifying information

Syntax:
1. R0203 - At least one of REF02,REF03 is required

Semantics:
1. REF04 contains data relating to the value cited in REF02.

DLMS Note:
1. Use in 2/HL/010 shipment loops to indicate the number of line items included in the shipment and the FMS Notice Number identification number controlling the shipment.

2. Use in 2/HL/010 line item loops to identify the customer assigned transaction number and unique item tracking (UIT) information when the item identified in 2/LIN/020 is subject to tracking under a UIT requirement.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use	1

Description: Code qualifying the Reference Identification

Federal Note: *Following is a list of preferred codes.*

DLMS Note: *1. Use only one of codes BT, LT or SE, as needed, to identify batch numbers, lot numbers or unique item identifiers (UII) assigned to material managed under UIT procedures.*

2. For DLMS use, only the following codes are authorized.

Code	Name
BT	Batch Number

> **DLMS Note:**
> *Use as needed to identify the manufacturer's batch number or other number identifying the production run.*

K1	Foreign Military Sales Notice Number

> **DLMS Note:**
> *Must use only in 2/HL/010 shipment loops to identify the number assigned to control the shipment between the shipper and consignee.*

LO	Load Planning Number

> **DLMS Note:**
> *Use in 2/HL/010 shipment loops to identify the number of transactions included in the shipment.*

LT	Lot Number

> **DLMS Note:**
> *Use to identify the manufacturer's lot number.*

SE	Serial Number

> **DLMS Note:**
> *Use to identify a UII.*

TN	Transaction Reference Number

> **DLMS Note:**
> *Must use in every 2/HL/010 line item loop to identify the customer assigned transaction number for the requisition associated with the shipment unit.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
REF02	127	**Reference Identification**	X	AN	1/30	Must use	1

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
REF04	C040	**Reference Identifier**	O	Comp		Used	1

Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

	Id	Element Name	Req	Type	Min/Max	Usage	Rep
	128	**Reference Identification Qualifier**	M	ID	2/3	Must use	1

Description: Code qualifying the Reference Identification

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
		Code **Name**					
		W8 Suffix					
		DLMS Note:					
		Use with REF01 code TN to identify the transaction number suffix.					
	127	**Reference Identification**	M	AN	1/30	Must use	1
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
		Code **Name**					

DTM Date/Time Reference

<table>
<tr><td>Pos: 200</td><td>Max: 10</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

To specify pertinent dates and times

Syntax:
1. R020305 - At least one of DTM02,DTM03,DTM05 is required
2. C0403 - If DTM04 is present, then all of DTM03 are required
3. P0506 - If either DTM05,DTM06 is present, then all are required

Federal Note:

Use in 2/HL/010 shipment and line item loops to identify dates associated with the NOA.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use	1

Description: Code specifying type of date or time, or both date and time

Code	Name
169	Product Availability Date

DLMS Note:
Use in every 2/HL/010 shipment loop to identify the NOA preparation date.

| 601 | First Submission |

DLMS Note:
Use in the shipment loop to identify the original NOA preparation date when the original NOA contained items which the customer rejected.

| 996 | Required Delivery |

DLMS Note:
Use to accommodate legacy system requirements to identify the required availability date.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
DTM02	373	**Date**	X	DT	8/8	Used	1

Description: Date expressed as CCYYMMDD

N1 Name

User Option (Usage): Used

To identify a party by type of organization, name, and code

Syntax:
1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are required

Comments:
1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Federal Note:
Use the 2/N1/220 loop in the 2/HL/010 address loop to identify the organization originating the transaction set and the organization to receive the transaction set.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use	1

Description: Code identifying an organizational entity, a physical location, property or an individual

Federal Note: *Following is a list of preferred codes.*

DLMS Note: *1. Use only one of codes 98 or CY.*

2. For DLMS use, only the following codes are authorized.

Code	Name
98	Freight Management Facilitator

DLMS Note:
Use to identify the designated FF to receive the transaction set.

CI	Consignor

DLMS Note:
Use as needed to identify the shipping activity.

CY	Country

DLMS Note:
Use to identify the designated CR to receive the transaction set.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N103	66	**Identification Code Qualifier**	X	ID	1/2	Must use	1

Description: Code designating the system/method of code structure used for Identification Code (67)

Code	Name
1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
10	Department of Defense Activity Address Code (DODAAC)
A2	Military Assistance Program Address Code (MAPAC)

DLMS Note:
Use to indicate the SA structured address data which identifies the CR//FF to receive the NOA. Interpretation of this data may require additional codes cited elsewhere in the transaction.

M4	Department of Defense Routing Identifier Code (RIC)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N104	67	**Identification Code**	X	AN	2/80	Used	1

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N106	98	**Entity Identifier Code**	O	ID	2/3	Must use	1

Description: Code identifying an organizational entity, a physical location, property or an individual

Code	Name
FR	Message From

Federal Note:

Code **Name**

Must use with 2/N101/220 code CI to indicate that the organization cited in N104 is originating the transaction set.

TO   Message To

Federal Note:

Must use with 2/N101/220 codes CY and 98 to indicate that the organization cited in N104 is receiving the transaction set.

Code **Name**

LM Code Source Information

<table>
<tr><td>Pos: 340</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: LM</td><td>Elements: 1</td></tr>
</table>

User Option (Usage): Must use

To transmit standard code list identification information

Comments:

1. LM02 identifies the applicable industry code list source information.

Federal Note:

Must use this 2/LM/340 loop to identify coded information maintained in department or agency documentation.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
LM01	559	**Agency Qualifier Code**	M	ID	2/2	Must use	1

Description: Code identifying the agency assigning the code values

Code **Name**

DF   Department of Defense (DoD)

LQ Industry Code

Pos: 350	**Max: 100**
Detail - Mandatory	
Loop: LM	**Elements: 2**

User Option (Usage): Must use

Code to transmit standard industry codes

Syntax:

1. C0102 - If LQ01 is present, then all of LQ02 are required

Federal Note:
Use to identify codes consistent with management information requirements.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
LQ01	1270	**Code List Qualifier Code**	O	ID	1/3	Must use	1

Description: Code identifying a specific industry code list

Federal Note: *Following is a list of preferred codes.*

DLMS Note: *1. Use codes 33, 34, 35, and 69 only in 2/HL/010 shipment loops.*

2. Use codes 0, 71, 78, 95, A4, A5, A6, A9, BD, and DF only in 2/HL/010 line item loops.

3. For DLMS use, only the following codes are authorized.

Code	Name
0	Document Identification Code
33	Air Commodity and Special Handling Code

> **DLMS Note:**
> *Use for air shipments to identify material manifesting, customs, and special handling or reporting requirements.*

34	Water Commodity and Special Handling Code

> **DLMS Note:**
> *Use for water shipments to identify the predominant commodity within the shipment unit for ocean manifesting.*

35	Air Dimension Code

> **DLMS Note:**
> *Use for air shipments.*

69	Foreign Military Sales Country Code

> **DLMS Note:**
> *Use to identify the FMS country.*

71	Service and Agency Code

> **DLMS Note:**
> *Must use in FMS transactions to identify the customer country's requisitioning Service code: B, D, K, P, or T.*

78	Project Code

> **DLMS Note:**
> *Use to identify the special programs, exercises, project, operation, and other purposes.*

95	Offer and Release Option Code

> **DLMS Note:**
> *Use to identify the offer and release option code.*

A4	Case Designator Number

> **DLMS Note:**
> *Must use in FMS transactions to identify the FMS case number. For Cooperative Logistics Supply Support Agreements (CLSSAs), repeat up to two times to identify the Foreign Military Sales Order (FMSO) I and FMSO II case numbers. In this instance, the first occurrence will cite the FMSO I case number, and a second occurrence, if applicable, will reflect the FMSO II case number.*

A5	Subcase Number

> **DLMS Note:**
> *Use in FMS transactions based on Service requirements.*

A6	Freight Forwarder Number

> **DLMS Note:**
> *Use to identify the CR/FF to receive shipments and documentation.*

A9	Supplemental Data

<u>Code</u>	<u>Name</u>

DLMS Note:

1. Use to identify supplemental address/data.

2. Future streamlined data; see introductory DLMS note 4c.

AJ   Utilization Code

DLMS Note:

1. Under DLSS, this is the first position of the document serial number.

2. DLMS enhancement; see introductory DLMS note 4a.

AL   Special Requirements Code

Federal Note:

Use to identify the precedence, special handling, and processing requirements.

DLMS Note:

1. Under DLSS, this is carried in the required delivery date field.

2. DLMS enhancement; see introductory DLMS note 4a.

BD   Transportation Priority Code

DLMS Note:

Use to identify the transportation priority.

DF   Media and Status Code

COG   Cognizance Symbol

DLMS Note:

Use to identify the material cognizance symbol (COG) of the end item. Indicate NSL for non-stock numbered listed items. This is a Navy-unique data element meaningful to Navy only; Non-Navy Components are to perpetuate without action.

IMC   Item Management Code

DLMS Note:

Use to identify the Item Management Code (IMC) for integrated material management. Indicate NSL for non-stock numbered listed items. This is a Navy-unique data element meaningful to Navy only; Non-Navy Components are to perpetuate without action.

MCC   Material Control Code

DLMS Note:

Use to identify the Material Control Code (MCC) for special inventory reporting. Indicate NSL for non-stock numbered listed items. This is a Navy-unique data element meaningful to Navy only; Non-Navy Components are to perpetuate without action.

SMI   Special Material Identification Code

DLMS Note:

Use to identify the Special Material Identification Code (SMIC) for an end item. Indicate NSL for non-stock numbered listed items. This is a Navy-unique data element meaningful to Navy only; Non-Navy Components are to perpetuate without action.

LQ02	1271	**Industry Code**	X	AN	1/30	Must use	1

Description: Code indicating a code from a specific industry code list

SE   Transaction Set Trailer

Pos: 020	**Max: 1**
Summary - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Comments:

1. SE is the last segment of each transaction set.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use	1
		Description: Total number of segments included in a transaction set including ST and SE segments					
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use	1
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set					
		Federal Note: *Cite the same number as the one cited in ST02.*					

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